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L43	37	13 and 41 and requirement\$1 and quality	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/16 15:51
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L45	3	44 and 41	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/16 15:55
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... time block codes [3] exploits time and **space diversity** and achieves ... for detection and avoids the problem with **coherence time** restrictions and ... The **interleaver** ...

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... NB Availability of **Time Diversity** ,! Sample-Mean Outage Capacity 4 t C t Usage Time **Coherence Time** Tuse Tcoh 1. T use T coh ,! ...

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... 48 4.4.3 **Interleaver**----- 48 4.4.4 Puncturing ... **interleaver**, ...

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... Interleaving is a form of **time diversity** that is employed to disperse bursts of ... The **interleaver** performance depends on memory required for data storage and the ...

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... independence is the **interleaver**, which spreads ... (**space diversity**), different frequencies (frequency diversity), different ... Now consider **time diversity**, which is ...

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... of various amounts of frequency, time and **space diversity**. ... on the order of the channel **coherence time**. ... achieve error randomization, the **interleaver** must ensure ...

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... time interval and the **coherence time** of a ... convolutional encoder, an **interleaver** and

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a Quadrature ... domains (combining provides **space diversity** while interleaving ...
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... should be greater than the **coherence time** of the ... is conventionally used to obtain **space diversity** and it ... interleaved by a block symbol-by-symbol **interleaver**. ...

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cas ... the following figures also include a frequency **interleaver** and a ...

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... On the one hand, this increases the **time diversity** of the channel, which can be
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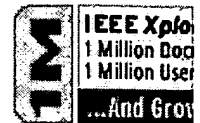
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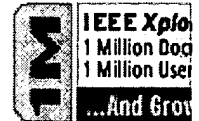
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2 Measurements of base station two-branch space and polarization diversity reception and a comparison of the diversity gain based on the CDF of signal level and simulations of BER in a GSM system

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Vehicular Technology Conference, 1998. VTC 98. 48th IEEE , Volume: 1 , 18-21 May 1998

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3 On improved bounds on the decoding error probability of block codes over interleaved fading channels, with applications to turbo-like codes

Sason, I.; Shamai, S.;

Information Theory, IEEE Transactions on , Volume: 47 , Issue: 6 , Sept. 2001

Pages:2275 - 2299

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4 Impact of diversity reception on fading channels with coded modulation. I. Coherent detection

Ventura-Traveset, J.; Caire, G.; Biglieri, E.; Taricco, G.;

Communications, IEEE Transactions on , Volume: 45 , Issue: 5 , May 1997

Pages:563 - 572

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5 Improved upper bounds on the ML performance of turbo codes for interleaved Rician fading channels, with comparison to iterative decoding

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Communications, 2000. ICC 2000. 2000 IEEE International Conference on , Volume: 2 , 18-22 June 2000

Pages:591 - 596 vol.2

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6 A comparison of inner coding options for adaptive MIMO OFDM systems

Gallo, A.S.; Bizzarri, E.; Vitetta, G.M.; Marciniak, M.;

Transparent Optical Networks, 2003. Proceedings of 2003 5th International Conference on , Volume: 2 , 29 June-3 July 2003

Pages:141 - 144 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(434 KB\)\]](#) [IEEE CNF](#)

7 Space-time codes performance criteria and design for frequency selective fading channels

Youjian Liu; Fitz, M.P.; Takeshita, O.Y.;

Communications, 2001. ICC 2001. IEEE International Conference on , Volume: 9 , 11-14 June 2001

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Information Theory, 2002. Proceedings. 2002 IEEE International Symposium on , 2002
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2 Time limited and bandwidth constrained signal design for the fast fading noncoherent MIMO channel

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3 On performance limits of MIMO-OFDM systems over block-fading channels

Fozunbal, M.; McLauhin, S.W.; Schafer, R.W.;

Wireless Communications and Networking Conference, 2004. WCNC. 2004 IEEE , Volume: 2 , 21-25 March 2004

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...field coding **space-time** coding **diversity** capacity complexity...well-appreciated merits. **Diversity** comes in different flavors: **time**, frequency, or **space** [1].
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Signal Processing, In Press, Uncorrected Proof, Available online 15 December 2004,
Mohammad Ali Khalighi and Laurent Ros
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2. ☐ **Code-timing synchronization in DS-CDMA systems using space-time diversity^{*1} • ARTICLE**
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